

MICRO-580 **Robotics project I** Profs divers * Cursus Sem. Туре Language of English Robotics MA1, MA2, Obl. teaching MA3, MA4 Credits 10 Withdrawal Unauthorized Winter, Session Summer Fall Semester During the Exam semester 300h Workload Weeks 14 Hours 10 weekly 10 weekly Project Number of positions Il n'est pas autorisé de se retirer de cette matière après le délai d'inscription.

Summary

The student applies the acquired skills in an engineering or a research project.

Content

Students are asked to run an engineering or a research project integrating several robotics aspects. This project allows them to practice and improve their skills on concrete problems related to robotics, and experience a project environment in a laboratory, making the connection to research or industry.

Learning Outcomes

By the end of the course, the student must be able to:

- Develop an individual research or industrial project
- Apply skills to a specific subject
- Manage the project
- Assess / Evaluate the results
- Compose a written scientific report of a project
- Present a project orally for a scientific audience
- Develop expertise in a specific research area
- · Represent data in a consistent and effective manner

Transversal skills

- Write a scientific or technical report.
- Write a literature review which assesses the state of the art.
- Set objectives and design an action plan to reach those objectives.
- Use a work methodology appropriate to the task.
- Communicate effectively, being understood, including across different languages and cultures.
- Assess progress against the plan, and adapt the plan as appropriate.
- · Give feedback (critique) in an appropriate fashion.
- Access and evaluate appropriate sources of information.

Written report and oral presentation

Resources

- Websites
- https://sti.epfl.ch/smt/smt-semester-project-guidelines/